FACULTY CURRICULUM COMMITTEE
MINOR FORM

Instructions:
- Please fill out all of the portions of the form that are specified in section B. You must do this before your request can move forward!
- Remember that your changes will not be implemented until the next catalog year at the earliest.
- If you have questions, please start by checking the detailed instructions on the website. Please feel free to contact the committee chair with any remaining questions you might have.

A. CONTACT INFORMATION.
Name: Seth Pritchard
Phone: 953-5995
Email: pritchards@cofc.edu
School: Science and Math
Department or Program: Undergraduate Environmental Studies
Name and Acronym of Minor: Minor in Environmental Studies (ENVT)

B. TYPE OF REQUEST. Please check all that apply, then fill out the specified parts of the form.

☐ Add a New Minor (complete all portions)

☒ Change an Existing Minor (complete C, D, E, G, H, and I)
   XX Add existing course or courses to requirements or electives
   Add new course(s) to requirements or electives (attach completed course form for each)
   Delete courses from requirements or electives

☐ Terminate a Minor (complete D, F, and H)

C. GENERAL INFORMATION.
Number of Current Hours (for existing minors): __19__ hours
Number of Proposed Hours (for new or changing minors): __0__

Catalog year in which changes will take effect: Fall __2013____

☒ Interdisciplinary (please see guidelines on the Curriculum Committee website and include acknowledgments from relevant departments)

According to academic policy, students may not obtain a major/concentration and minor in the same subject. Will students in specific majors be prohibited from declaring this minor because of this policy?

☐ Yes—Which major(s) or concentration(s)?

☒ No
D. RATIONALE AND EXPLANATION. Please describe the request you are making and explain why you are making it. In addition, for a new minor, please address its objectives, provide evidence of student interest (e.g., interviews with student focus groups, enrollment in special-topics courses in this area), and explain how the minor supports the liberal arts tradition as well as the mission of the institution.

I want to add several courses to the list of courses that can be taken to fulfill requirements in the area of Natural Sciences and Mathematics including: BIOL 301 – Plant Taxonomy; PHYS 350 – Energy Production

I would also like to change the minor to include the following courses in the area of Social Sciences and Humanities: POLI 397 – Environmental Geography; POLI 294 – Sustainability; ENTR 407- Ecopreneurship.

All of these courses meet the current guidelines for interdisciplinary programs by having a significant focus (i.e., >1/3 of course content) on environmental topics.

E. CURRICULUM. Please attach the complete curriculum for the minor. Distinguish between required and elective courses, and note any prerequisites, co-requisites, or other restrictions. Provide the catalog description and course list exactly as they should appear in the catalog.

F. STUDENT LEARNING OUTCOMES AND ASSESSMENT.

<table>
<thead>
<tr>
<th>Student Learning Outcomes</th>
<th>Assessment Method and Performance Expected</th>
</tr>
</thead>
<tbody>
<tr>
<td>What will students know and be able to do when they complete the minor? Attach a Curriculum Map.</td>
<td>How will each outcome be measured? Who will be assessed, when, and how often? How well should students be able to do on the assessment?</td>
</tr>
</tbody>
</table>

1. 
2. 
3. 
4.
How does this minor align with the student learning outcomes articulated for the major, program, or general education? What program-level outcome or outcomes does it support? Is the content or skill introduced, reinforced, or demonstrated in this minor?

G. IMPACT ON EXISTING PROGRAMS AND COURSES. Please describe the impact of this request on other programs and courses. If you are deleting a minor, please describe the effect on all programs that will be affected. If you are adding or changing a minor, please explain any overlap with existing programs at the College.

It is expected that qualifying these courses for inclusion in the interdisciplinary minor in environmental studies will have minimal impacts on other programs and courses.

H. COSTS. List all of the new costs or cost savings (including new faculty/staff requests, library, equipment, etc.) associated with your request.

None

I. CHECKLIST.

X I have completed all relevant parts of the form.

☐ I have attached a cover letter that describes my request and lists all the documents I am submitting.

☐ I have attached a Course Form for each newly-created or modified course.

☐ (For proposals that affect other departments in any way) I have attached an acknowledgement from the relevant department.
I have provided the complete curriculum for the minor, including the description and course list, exactly as it should appear in the catalog.
J. APPROVAL AND SIGNATURES.

1. Signature of Department Chair or Program Director:

   [Signature]

   Date: 11/10/2012

2. Signature of Academic Dean:

   [Signature]  Date: 12/11/12

3. Signature of Provost:

   [Signature]  Date: 12/18/12

4. Signature of Curriculum Committee Chair:

   [Signature]  Date: ____________

5. Signature of Budget Committee Chair:

   [Signature]  Date: ____________

6. Signature of Academic Planning Committee Chair:

   [Signature]  Date: ____________

7. Signature of Faculty Senate Secretary:

   [Signature]  Date: ____________

Date Approved by Faculty Senate: ____________
I. Natural Sciences and Mathematics Environmental Courses

Three or more courses (at least nine hours) plus prerequisites selected from:

BIOL 204 Man and the Environment
BIOL 209 Marine Biology, with lab
BIOL 301 Plant Taxonomy, with lab
BIOL 340 Zoogeography
BIOL 341 General Ecology, with lab
BIOL 342 Oceanography, with lab
BIOL 360 Introduction to Biometry
BIOL 406 Conservation Biology
BIOL 410 Applied & Environmental Microbiology, with lab
BIOL 444 Plant Ecology
BIOL 503 Special Topics in Ecology
CHEM 522 Environmental Chemistry
CHEM 522L Environmental Chemistry Lab
CHEM 526 Introduction to Nuclear and Radiochemistry
CHEM 528 Nuclear and Radiochemistry
GEOL 103 Environmental Geology, with lab
GEOL 107 Introduction to Coastal and Marine Geology
GEOL 213 Natural Hazards
GEOL 257 Marine Geology
GEOL 275 Geomorphology, with lab
GEOL 312 Environmental Field Methods, with lab
GEOL 320 Earth Resources
GEOL 438 Hydrogeology, with lab
GEOL 449 Geographical Information Systems, with lab
MATH 250 Statistical Methods I
MATH 260 Mathematical Modeling & Public Decision Making
PHYS 105 Introduction to Meteorology
PHYS 308 Atmospheric Physics
PHYS 350 Energy Production
PHYS 456 Air Pollution Meteorology
PHYS 457 Satellite Meteorology
PHYS 458 Climate Change

Special topics courses offered by departments may be approved on a course-by-course basis.

NOTE: Only one course in the student's major department may be applied to the minor. Only one mathematics course may be chosen.
II. Social Sciences and Humanities Environmental Courses

Two courses (plus prerequisites) selected from:

ANTH 316 Ecological Anthropology
ANTH 318 Theories for the Origin of Agriculture
ECON 311 Environmental Economics
ENTR 407 Ecopreneurship
PHIL 150 Nature, Technology and Society
PHIL 155 Environmental Ethics
PHIL 245 Environmental Philosophy
POLI 294 Sustainability
POLI 307 Environmental Policy
POLI 364 International Environmental Politics
POLI 397 Environmental Geography
PSYC 329 Environmental Psychology
SOCY 346 Environmental Sociology
SOCY 352 Population and Society
SOCY 355 Science, Technology, and Society

Special topics courses offered by departments may be approved on a course-by-course basis.

NOTE: Only one course in the student's major department may be applied to the minor.

III. Interdisciplinary Environmental Courses

At least four semester hours including:

ENVT 200 Introduction to Environmental Studies

One additional ENVT course selected from:
ENVT 350 Independent Study in Environmental Science and Studies
ENVT 352 Special Topics in Environmental Science and Studies
ENVT 355 Environmental Studies Field Internship
ENVT 395 Interdisciplinary Environmental Studies Seminar
Hello Seth,
Thank you very much for sharing the data on ENVT minors. On another note, I fully support your proposal to include PHYS 350/PHYS 350L in the ENVT minor curriculum. Please let me know if you need a separate letter.
Best,
-NK.

Narayanan Kuthirummal, Ph.D.
Associate Professor and Chair
Department of Physics and Astronomy
College of Charleston
Charleston, SC 29424.

Phone: 843-953-7457
Fax: 843-953-4824

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Hi Narayanan,
Sorry for the delay. Attached are the data you are asking for.

Also, I am putting through a change of minor form to the curriculum committee that involves your PHYS course. I am requesting that the following course be allowed to count toward the natural sciences and mathematics environmental courses requirement of the ENVT minor: PHYS 350 – Energy Production. This category currently includes a total of 30 courses (http://catalogs.cofc.edu/undergraduate/environmental-studies.htm) that meet this requirement so I do not expect the demand for this course to increase substantially as a result of this change (we currently have ~80 minors in the program).

The curriculum committee requires that I attach a note from you indicating that you know about this proposed change and that it is agreeable to you.
Let me know if you have any questions.

Thanks,
Seth

Seth Pritchard
Associate Professor of Biology
Director of Undergraduate Environmental Studies Minor
College of Charleston
66 George Street
Charleston, SC 29424
Hi Seth – My apologies for the delay in responding. I’ve consulted with some colleagues and we are supportive of this change. Have a great weekend.

Gibbs

From: Pritchard, Seth G
Sent: Friday, October 12, 2012 10:48 AM
To: Knotts, Gibbs
Subject: counting POLI courses toward ENVT minor

Dear Gibbs,
I am putting through a change of minor form to the curriculum committee that involves a couple POLI courses. I am requesting that the following courses be allowed to count toward the Social Sciences and Humanities requirement of the ENVT minor: POLI 397 – Environmental Geography; POLI 294 – Sustainability. This category currently has a total of 12 courses ([http://catalogs.cofc.edu/undergraduate/environmental-studies.htm](http://catalogs.cofc.edu/undergraduate/environmental-studies.htm)) that meet this requirement so I do not expect the demand for these courses to increase substantially as a result of this change (we currently have ~80 minors in the program).

The curriculum committee requires that I attach a note from you indicating that you know about this proposed change and that it is agreeable to you.
Let me know if you have any questions.
Thanks,
Seth

Seth Pritchard
Associate Professor of Biology
Director of Undergraduate Environmental Studies Minor
College of Charleston
66 George Street
Charleston, SC 29424

Tel. 843-953-5995
Fax. 843-953-5453
Laboratory web site: [http://pritchards.people.cofc.edu/pritchard_website/Welcome.html](http://pritchards.people.cofc.edu/pritchard_website/Welcome.html)
Dear Seth
The Department of Management and Entrepreneurship is happy to have Dr. Hansen's course, ENTR 407, (Ecopreneurship) to be allowed to count toward the Social Sciences and Humanities requirements of the ENV minor. The only issue that I could envision would be a semester when Dr. Hansen would be on a sabbatical as I believe he is hoping to do so in the next year or so.

Please call if you need anything further or if I can help in any way.

Best regards
Rhonda

Rhonda Mack
Interim Chair, Department of Management and Entrepreneurship
School of Business
College of Charleston
(843) 953-6565
mackr@cofc.edu

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Dear Rhoda,
I am putting through a change of minor form to the curriculum committee that involves a Management and Entrepreneurship course being proposed by David Hansen. I am requesting that ENTR 407 (Ecopreneurship) be allowed to count toward the Social Sciences and Humanities requirements of the ENV minor. This category currently has a total of 12 courses (http://catalogs.cofc.edu/undergraduate/environmental-studies.htm) that meet this requirement so I do not expect the demand for this course from our environmental studies minors to be great (we currently have ~80 minors in the program).

The curriculum committee requires that I attach a note/email from you indicating that you know about this proposed change and that it is agreeable to you (they may not need it since David Hansen’s form is being submitted in parallel, I just wanted to be sure to avoid a delay).

Let me know if you have any questions.

Seth Pritchard
Associate Professor of Biology
Director of Undergraduate Environmental Studies Minor
College of Charleston
66 George Street
Charleston, SC 29424
Dear Seth,

That would be a great addition to the minor and I am most supportive of the proposed change.

Mitchell

On 10/29/12 4:34 PM, "Pritchard, Seth G" <PritchardS@cofc.edu> wrote:

Mitch,
I am putting through a change of minor form to the curriculum committee that involves a GEOL course. I am requesting that the following course be allowed to count toward the natural sciences and mathematics environmental courses requirement of the ENVT minor: GEOL 238 - Water Resources. This category currently includes a total of 30 courses (http://catalogs.cofc.edu/undergraduate/environmental-studies.htm) that meet this requirement so I do not expect the demand for this course to increase substantially as a result of this change (we currently have ~80 minors in the program).

The curriculum committee requires that I attach a note from you indicating that you know about this proposed change and that it is agreeable to you.
Let me know if you have any questions.
Thanks,
Seth

Seth Pritchard
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Seth,
I tell you, you really have to keep after me. Sure, I will confirm that I support adding Biol 301/L Plant Taxonomy and Laboratory, to the list of electives for the ENVT minor.

I trust this email will do the trick? If not, let me know. My apologies for neglecting to reply earlier.

Jaap
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Jaap Hillenius
Professor & Chair
Department of Biology
College of Charleston
66 George Street
Charleston, SC 29424
USA

T: (843) 953-5504
F: (843) 953-5453
E: hilleniusw@cofc.edu

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Hi Jaap,
Could you fire off a quick email indicating your support of including BIOL 301 (Plant Taxonomy, plus lab) on the list of Natural Sciences and Mathematics Environmental Courses that can be counted toward the Minor in Environmental Studies?
After I get this I will have everything lined up to add several courses to the minor.
Thanks,
Seth

Seth Pritchard
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Director of Undergraduate Environmental Studies Minor College of Charleston
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